

METHODS AND APPARATUS FOR PROVIDING POWER  
TO ELECTRONIC CIRCUITRY

ABSTRACT OF THE DISCLOSURE

- 5           An electronic system has critical circuitry, non-critical circuitry having a first section and a second section, and a power sub-system. The power sub-system has a first power assembly, a second power assembly, and a set of connections. The set of connections is configured to connect the first and second power assemblies to the critical circuitry and the non-critical circuitry such that, when the first and second power
- 10 assemblies operate to power the critical and non-critical circuitry through the set of connections, (i) a failure of only the second power assembly results in the first power assembly continuing to power the critical circuitry and the first section of the non-critical circuitry, and (ii) a failure of only the first power assembly results in the second power assembly continuing to power the critical circuitry and the second section of the
- 15 non-critical circuitry.